GOVERNMENT OF ANDHRA PRADESH
ABSTRACT

Sports – SAAP – Construction of Kreeda Vikasa Kendras (KVKs) in the State during 2016-17 – Administrative Sanction - Accorded - Orders – Issued.

YOUTH ADVANCEMENT TOURISM & CULTURE (Sports /YS) DEPARTMENT

G.O.Ms.No.20 **Date:02-12-2016**

Read the following:-

1) Govt. Memo. No.5348/Sps. & YS/2016, YAT&C(Sports) Dept. dt.28.11.20016. (Minutes of the review meeting on sports held by Hon'ble Minister, dt.27.10.2016.

2) From the Vice Chairman & Managing Director, A.P. Vijayawada Lr.No.SAAP/Infra/1333/2016, dt.01.12.2016.

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ORDER:

In the review meeting on sports held by Hon'ble C.M. on 27.10.2016 among other issues, guidelines for construction of Kreeda Vikasa Kendra in the State have been approved. These are attached as Annexure-I to this order.

2. In the meeting**,** it has also been decided to construct sports facility initially at a select center in a Assembly Constituency which shall be called as '**KREEDA VIKASA KENDRA'** (KVK). Such a KVK with an estimated cost of Rs.200.00 lakhs shall be completed in a phased manner in all 175 constituencies in the State.

3. The VC&MD, SAAP in his letter 2nd read above has proposed to take up the construction of 57 Kreeda Vikasa Kendras in various Assembly Constituencies with a cost of Rs.102.96 Crores from the plan provision during 2016-17 and requested to accord administrative sanction.

4. The Govt. after careful examination of the proposal of VC&MD, SAAP, hereby accord administrative sanction to incur an expenditure not exceeding Rs.78.00 Crores (Rupees Seventy Eight Crores only) towards construction of new KVKs and complete the ongoing play facilities taken up during 2016-17, subject to meeting the expenditure as per requirement.

5. The expenditure sanctioned above shall be debited to the following Head of Account.

4202	-	Capital outlay on Education Sports and Culture, Sports, Art and Culture.
03	-	Sports and Youth Services
M.H.102	-	Sports Stadia
GH.11	-	State Development Plan
SH.04	-	Construction of Stadia and Modernization of sports facilities.
530	-	Major Works
531	-	Other Expenditure.

6. The VC&MD, SAAP shall adhere to the guidelines scrupulously issued on construction of KVKs while taking up construction of Kreeda Vikasa Kendras which are appended as at Annexure – I. He shall take into consideration the Model Estimates Prepared on based on SSR Rates 2015-16 which are appended as Annexure-II to this order. He shall utilize the funds provided under SCP and TSP in the construction of KVKs duly following the instructions / orders issued on utilization of the funds in the respective plans wherever stated by those departments. The entrustment of works by District Collectors shall be fool-proof and should be based on the established procedure of the Govt. The utilization certificates for the expenditure incurred on construction /completion of each stadium should be submitted immediately by District Collectors after completion of the respective work. They may note that play-fields can be developed immediately while engineering of indoor facility is underway.

(P.T.O)

7. This order issued with the concurrence of the Finance (FMU-GAD.II) Dept. vide their U.O.No.37027/142/FMU.GAD-II/2016, dt.01.09.2016.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

L.V.SUBRAHMANYAM
SPECIAL CHIEF SECRETARY TO GOVERNMENT

To
The Vice Chairman & Managing Director,
Sports Authority of Andhra Pradesh, Vijayawada.

All District Collectors and Chairmen DSA
The Accountant General, Hyderabad.
The Pay and Accounts Officer, Ibrahimpatnam
The Director of Treasuries & Accounts, A.P., Ibrahimpatnam

// FORWARDED :: BY ORDER:://

SECTION OFFICER

Annexure – 1

GOVERNMENT OF ANDHRA PRADESH
YOUTH ADVANCEMENT TOURISM & CULTURE (Sps.&YS) DEPARTMENT

GUIDELINES ON CONSTRUCTION OF "KREEDA VIKASA KENDRA" IN THE STATE

1. In all Assembly Constituencies, Kreeda Vikasa Kendra's are proposed in each Assembly Constituency.
2. Priority is given to the lands available in Schools or Colleges of that Mandal. The land available should be of minimum of Ac. 6.00 of land so as to convert the land into a Green Field Stadium.
3. Kreeda Vikasa Kendra will be sanctioned based on the feasibility conditions and accessibility to the public, youth, High school and Jr. College students.
4. Feasibility report will be prepared by a Team consists of the Coaches working in District Sports Authority, District Sports Development Officer and Joint Collector of the District.
5. If the Kreeda Vikasa Kendra is proposed in a School or College Grounds, the authorities of concerned should submit a NO OBJECTION CERTIFICATE to the District Sports Authority concerned stating that they have "NO OBJECTION" to utilise the facilities by the local youth and other schools children.
6. The District Collector will identify the Executing Agency and alienate the land in favour of District Sports Authority.
7. Once the land is alienated and NOC is received from the DSA, the SAAP will prepare the DPRs, Designs and Estimates with the consultant Architects with SSR Rates of 2016-17 and forward to the District Collector.
8. Period of completion of Stadium will be six (6) months.
9. Preference shall be given for creation of play fields with proper fencing with barbed wire rather than construction of a Compound wall.
10. After construction of pavilion building, barbed wire fencing around the allotted land, Shopping Complex should be planned and constructed.
11. Playing facilities like Tennis, Shooting and Bowling etc., should not be created.
12. Three (3) rows of trees should be planted around the barbed wire fencing.
13. Electricity, Water, Drainage, Security and a room for security should be arranged before taking up construction of Kreeda Vikasa Kendra.
14. The Stadium shall have a Septic Tank in a suitable place that has access to a four wheeler reach.
15. The District Collector shall collect the reports on the constructions and take appropriate action for completion within six (6) months.
16. The DSDO shall be responsible for proper creation of playing facilities and to follow the prescribed designs as per the DPR sent by SAAP in the construction of Kreeda Vikasa Kendra.
17. DSA shall have freedom to go for extra facilities other than the facilities mentioned in the designs, if funds are locally mobilised form MPLADs/MLAs/MLCs or from philanthropists.
18. The Project Cost is restricted to Rs. 2.00 cores only.
19. District Collector shall constitute a Committee to each Stadium like Mandal Sports Authority for its maintenance with local PET/PD/Sportsman / Municipal Commissioner / Sarpanch / Philanthropists.
20. The SAAP/DSA shall fix the entry fee / user fee.
21. Pay and Play scheme should be introduced in every stadium.
22. DSA shall provide sports material from the maintenance grant.
23. DSA shall organise recreation facility to the aged people (Age group of 45, 50, 60, 65 years) to encourage physical licteracy.
24. Minimum staff like Coaches, Security, Groundsmen and Sweepers to provide coaching and for maintenance of play fields shall be engaged by the Committee so constituted for the Kreeda Vikasa Kendra from out of the maintenance grants of the Stadium.

25. The District Collectors to match MGNREGS funds under labour component in case of short fall of funds over and above the cost of Rs. 2.00 Crs. for construction of Kreeda Vikasa Kendra whenever necessary.
26. Growth centres of the local areas where the stadium is located shall be made involved in the maintance of play fields after completion of the construction of stadium.

Guidelines for creation of playing facilities in indoor stadia:

1. Every indoor stadium should have atleast two shuttle badminton courts with wooden flooring. So also one Volleyball and if possible one or two rings for Boxing and one Basketball can come up. Flooring must be designed keeping this multi-disciplinary demand in mind.
2. KIRBI type lightweight roofing are any day preferable to cement concrete roofs and walls which are prone to civil engineering mistakes / shortcomings.
3. The Committee constituted for the Kreeda Vikasa Kendra is responsible for conducting periodical tournaments / competitions once in every three months form out of the funds of maintenance grant available.
4. Entry / User Fee shall be collected for Indoor Stadium and credited to the Stadium account.
5. Minimum staff like Coaches, Security, Groundsmen and Sweepers to provide coaching and for maintenance of play fields shall be engaged by the Committee so constituted for the Kreeda Vikasa Kendra from out of the maintenance grants of the Stadium.
6. Required Sports equipment shall be provided by the Stadium Committee.

GENERAL

1. SAAP will issue proceedings for release of funds to the Executing Agency / Contractor to the extent of value of work done through PAO, as per the recommendations of the District Collector.
2. Rs. 5.00 lakhs should be kept separately from out of the construction grant for future maintenance and purchase of sports equipment.
3. The District Sports Authority should approach for funds from National Sports Development Fund (NSDF) / Corporate Social Responsibility (CSR) funds from Corporate Bodies, Banks, Public Sector Undertakings as per their promise on 01.07.2016 before the standing Committee on Parliamentary Affairs on HRD in Visakhapatnam.
4. Walkers track should be arranged around the Kreeda Vikasa Kendra and collect fee from Walkers duly giving them identity cards.
5. Change Rooms should be arranged separately for boys and girls with toilets.

L.V.SUBRAHMANYAM
SPECIAL CHIEF SECRETARY TO GOVERNMENT

Annexure – II

GOVERNMENT OF ANDHRA PRADESH
YOUTH ADVANCEMENT TOURISM & CULTURE (Sps.&YS) DEPARTMENT

Modal Estimate for Construction of **"KREEDA VIKASA KENDRA" (KVK)**

Estd. Cost: 200.00 Lakhs.

S.No.	Description	Amount	Remarks
1	**BUILDINGS**		
	Indoor hall with wooden flooring	14415600.00	
	Sub total(i)=	**14415600.00**	
2	**PLAY FIELDS**		
	200m Athletic track	518110.00	
	Long/Triple jump	70459.00	
	Walking track	--	NREGS Funds
	Cricket pitches with practice nets	111984.00	
	Kabbaddi	61733.00	
	Kho- Kho	64667.00	
	Basket ball	837694.00	
	Volley ball	106008.00	
	Fencing around volleyball court	429946.00	
	Sub total(ii)=	**2200601.00**	
3	**EXTERNAL FACILITIES**		
	Under ground sump	73104.00	
	Septic tank	170000.00	
	Storm water drains	24482.00	
	Compound wall and fencing	332095.00	
	External Lighting	89023.00	
	Borewell with Motor	122000.00	
	Ground Leveling (Assuming all the Stadia in existing School Premises)	--	NREGS Funds
	Internal Earthen Roads	--	NREGS Funds
	Landscaping	--	NREGS Funds
	Sub Total (iii) =	**810704.00**	
	Estimated Contract Value (ECV) (Sub total i+ii+iii)=	**17426905.00**	
4	**PROVISIONS**		
	Consultancy charges @ 2.46%	428702.00	
	Provision towards VAT @ 5%	871345.00	
	Variation in foundations	80850.00	
	Provision towards quality control charges @ 0.5%	87135.00	
	Provision for Labour cess @ 1%	174269.00	
	Administrative Charges @ 5%	871345.00	
	Unforeseen items	59449.00	
	Sub total (iv)=	**2573095.00**	
	Estimated Cost of the Project:	**20000000.00**	
	(Rupees Two Hundred Lakhs Only)	**200.00 Lakhs**	

L.V.SUBRAHMANYAM
SPECIAL CHIEF SECRETARY TO GOVERNMENT

CONSTRUCTION OF GREEN FIELD STADIA AT
VASTAVAI, KRISHNA DISTRICT, ANDHRA PRADESH STATE

BILL OF QUANTITIES

A	**Indoor Hall**			**I**	**Basketball**		
B	**Sump**	1.00	Nos	**J**	**Volleyball**		
C	**Septic tank**	1.00	Nos	**K**	**KhoKho**		
D	**Storm water drains**			**L**	**Fencing around Volleyball court**		
E	**Compound wall**			**M**	**Cricket pitches**		
F	**200m Athletic track**			**N**	**Longjump**		
G	**Walking Track**			**O**	**Roads_Borewell**		
H	**Khabaddi**						

Sl.No.	Estimate quantity (Only figures)	Description of work																		Work Type	Item Short Description	APSS / Morth Cl. Number	Rate (INR)	Unit	**Amount (INR)**
		A			B	C	D	E	F	G	H	I	J	K	L	M	N	O	P						
		CIVIL WORKS																							
1	0.00	Clearing and grubbing of project site including uprooting wild vegetation, grass, bushes, shrubs, saplings and trees of girth upto 300 mm, removal of stumps of such trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned, upto a lead of 1000 m including removal and disposal of top organic soil not exceeding 150 mm in thickness as per Technical Specification Clause 201 MORD / MORTH.																		Civil work	Site clearance	201	2.50	sqm	0.00
																		0.00							
	1359.13	Earth work excavation for foundations (Manual Means) for buildings in ordinary soils and depositing on bank for all lifts and with an initial lead of 10m and up to 3m depth including all operational,incidental, labour charges such as shoring, sheeting, planking, strutting etc., and overheads & contractors profit complete for finished item of work including seigniorage excluding dewatering charges etc., as per SS 20 B(APSS 308)																		Civil work	Earthwork	308	154.00	cum	209305.79
2		0.00							579.40	185.31	95.40	128.00	131.00	105.00	27.00	54.28	53.74								
	1122.32	Earth work excavation for foundations (Mechanical Means) for buildings in ordinary soils and depositing on bank for all lifts and with an initial lead of 10m and up to 3m depth including all operational,incidental, labour charges such as shoring, sheeting, planking, strutting etc., and overheads & contractors profit complete for finished item of work including seigniorage excluding dewatering charges etc., as per SS 20 B(APSS 308)																		Civil work	Earthwork	308	63.00	cum	70706.16
3		1065.32			23.00	23.00	7.00	4.00																	
	82.00	Excavation in ordinary rock not requiring blasting – Mechanical means upto 3m depth including cutting, trimming bottom and side slopes in accordance with requirements of lines, grades and cross-sections including all operational, incidental, labour charges, hire charges of T&P etc., and overheads & contractors profit complete.																		Civil work	Earthwork	308	121.51	cum	9963.55
4		82.00			0.00	0.00	0.00	0.00																	
	22.00	Excavation in Hard rock requiring blasting – Mechanical means upto 3m depth including cutting, trimming bottom and side slopes in accordance with requirements of lines, grades and cross-sections including all operational, incidental, labour charges, hire charges of T&P etc., and overheads & contractors profit complete.																		Civil work	Earthwork	308	658.55	cum	14488.10
5		22.00			0.00	0.00	0.00	0.00																	
	0.00	Excavation in soil by mechanical means including cutting and pushing the earth to site of embankment upto a distance of 100 m, including trimming bottom and side slopes and compacting in accordance with requirements of lines, grades and cross-sections as per Technical Specification Clause 302.3 MORD / 301 MORTH, including cost & conveyance of all material, labour, over heads and contractors profit complete as directed by the Engineer in Charge.																		Civil work	Earthwork	302.3/301	43.50	cum	0.00
6																									
	0.00	Construction of embankment with approved materials deposited at site from cutting/ excavation from foundations, levelling of site etc., graded and compacted to meet requirement of Tables 300.1 and 300.2 as per Technical Specification Clause 301.5 MORD / 305 MORTH, including cost & conveyance of all material, labour, over heads and contractors profit complete as directed by the Engineer in Charge.																		Civil work	Filling	301.5/305	45.00	cum	0.00
7																									

Sl.No.	Estimate quantity (Only figures)	Description of work																		Work Type	Item Short Description	APSS / Morth Cl. Number	Rate (INR)	Unit	Amount (INR)
		A			B	C	D	E	F	G	H	I	J	K	L	M	N	O	P						
	0.00	Forming embankment (Ground filling) with approved materials obtained from borrow pits with all leads and lifts, transporting to site, spreading, grading to required slopes including pre-watering of soil at borrow area, removal of top soil, excavation of soils at borrowed area, conveyance of soil, depositing the soils on the embankment, spreading soils, breaking clods, sectioning and consolidation with Vibratory Road Roller @ OMC to meet requirement of table 300.1 and 300-2 of MoRT&H, including all hire and operational charges of T&P and seigniorage charges, over heads & contractor's profit etc complete for finished item of work as per MoRT&H specification 301.5/ 305 (4th revision).																		Civil work	Filling	301.5/305	276.00	cum	0.00
8																									
	26.25	Construction of Gravel road by providing well graded material, spreading in uniform layers with motor grader on prepared surface, compacting with three wheel 80-100 kN static roller to achieve the desired density, including cost & conveyance of all material, labour, over heads and contractors profit complete as directed by the Engineer in Charge.																		Civil work	gravel road	SS	452.00	cum	11865.00
9																		26.25							
	744.93	Filling with useful available excavated earth (excluding rock) with a lead of 50 m in trenches, sides of foundations and basement with initial lead in layers not exceeding 15cm thick, watering and ramming including cost and conveyance of water to work site and all operational, incidental, labour charges, hire charges of T&P etc., and overheads & contractors profit complete for finished item of work. (APSS NO.309&310)																		Civil work	Earth fill	309 &310	32.00	cum	23837.76
10		744.93						0.00																	
	302.17	Filling with carted gravel in trenches,sides of foundations and basement with initial lead in layers not exceeding 15cm thick,watering and ramming including cost and conveyance of water to work site and all operational,incidental, labour charges,hire charges of T&P etc., and overheads & contractors profit complete for finished item of work(APSS NO.309&310)																		Civil work	Carted gravel	309 &310	232.00	cum	70103.44
11		302.17																							
	2180.50	Fixing of Brick on edge around the play fields to protect the soil against erosion in the play areas as directed by the Engineer-In-Charge, including cost of materials, labour charges for fixing, seigniorage charges, transportation, over heads & contractor's profit etc. complete.																		Civil work	Brick on edge	SS	103.00	Rmt	224591.50
12		0.00							569.50	1186.00	89.00		106.00	108.00		122.00									
	30.25	Supplying and laying coarse sand in trenches,sides of foundations and basement in layers not exceeding 15cm thick,watering and ramming including cost and conveyance of materials to work site and all operational, incidental, labour charges, hire charges of T&P etc., and overheads & contractors profit complete for finished item of work(APSS NO.309&310)																		Civil work	Sand fill	309 &310	292.00	cum	8833.00
12		0.00															30.25								
	364.76	Collection, supplying , spreading and compacting aggregates of brocken bricks aggregates as directed by the Engineer-In-Charge, including spreading in uniform thickness, hand packing, rolling with three wheel 80 -100 kN static roller in stages to proper grade and slopes, applying and brooming, crushable screening to fill-up the interstices of brick aggregate, watering and compacting to the required density watering and compacting to the required density including cost of material, seigniorage charges, transportation, labour charges, over heads & contractor's profit etc. complete.																		Civil work	Brickbat	SS	956.00	cum	348714.15
13		0.00							289.70				65.00				10.07								
	497.94	Collection, supply, stacking, spreading and compaction of gravel as per the directions of the Engineer-in-Charge, from approved quarry including cost and conveyance, of materials, seigniorage charges, stacking, spreading in layers, compacting with three wheeled static roller upto desired density, over head charges & contractors profit etc. complete.																		Civil work	Gravel	SS	415.00	cum	206643.03
14		0.00							193.13	111.19	71.55			70.00		42.00	10.07								
	306.90	Collection, Supply, spreading and compaction of the soil like Clay or silty sand or combination of these materials. The material shall be free from organic or other deleterious constituents. At the time of compaction the water content of the material should not vary from optimum moisture content(O.M.C) by more than @ +/- 2%. Expansive clays and other unsuitable materials as in Cl.305.2.1.1 of MOST specifications booklet shall not be allowed. Rate includes cost and conveyance, seigniorage charges, stacking, spreading in desired layers and compaction with three wheeled roller upto desired density etc as directed by the Engineer-in-Charge etc complete for finished item of work.																		Civil work	Soft clay	SS	343.00	cum	105265.41
15		0.00							96.57	74.13	23.85		65.00	35.00		9.00	3.36								

Sl.No.	Estimate quantity (Only figures)	Description of work																		Work Type	Item Short Description	APSS / Morth Cl. Number	Rate (INR)	Unit	Amount (INR)
		A			B	C	D	E	F	G	H	I	J	K	L	M	N	O	P						
	57.80	Plain Cement Concrete (1:4:8) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard , machine crushed granite from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including seigniorage charges, sales & other taxes on all materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed, ramming in 15 cm layers finishing top surface to the required level curing etc., and overheads & contractors profit complete for finished item of work. (APSS No. 402)																		Civil work	PCC 1:4:8	402	3684.00	cum	212935.20
16		46.70			1.05		0.00	0.00							6.00	4.05									
	141.19	Plain Cement Concrete (1:5:10) (cement: fine aggregate: Coarse aggregate) for foundations and under flooring bed using coarse aggregate 40mm size hard , machine crushed granite from approved quarry including cost and conveyance of all materials like cement, sand, coarse aggregate, water etc. to site, including seigniorage charges, sales & other taxes on all materials and including all charges for machine mixing, laying concrete in foundations and under flooring bed, ramming in 15 cm layers finishing top surface to the required level curing etc.,and overheads & contractors profit complete for finished item of work. (APSS No. 402)																		Civil work	PCC 1:4:8	402	3481.00	cum	491464.99
17		73.02				1.30	1.50	1.00				62.00					2.37								
	63.75	Random Rubble stone masonry in CM (1:8) prop: (Cement: Screened sand) using hard granite stones carted from approved quarry including cost and conveyance of all materials like cement, screened sand, water, stones etc., from approved quarry, to site and including seigniorage charges, sales & other taxes on all materials including labour for cutting stones to required size and shape, mixing, of cement, mortar, construction, curing etc.,and overheads & contractors profit complete for finished item of work in foundation and basement. (APSS No. 601 & 615)																		Civil work	RR masonry	601 & 615	2783.00	cum	177416.25
18		60.75						3.00																	
	350.63	Plastering 12mm thick single coat in CM (1:5) using screened sand including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, curing as directed by Engineer-in-charge etc., and overheads & contractors profit complete for finished item of work for basement works. (SS 901,903 & 904)																		Civil work	Plastering 12mm	901, 903 & 904	150.00	sqm	52594.50
19		76.13			40.00	43.00	19.00	71.00				9.00			65.00		27.50								
	243.70	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 360 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate) (consisting of nominal size metal 60% of 20mm , 15% of 13.20/12.50mm , 15% of 10mm and 10% of 6mm) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials , centering using Steel scaffolding pipes , jack props , wallers , Foot plates , brackets , steel centering plates etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., and overheads & contractors profit complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) Footings																		Civil work	Design mix M25: Footings	402	7934.00	cum	1933515.80
20		241.70										1.00			1.00										
	24.59	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 360 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate) (consisting of nominal size metal 60% of 20mm , 15% of 13.20/12.50mm , 15% of 10mm and 10% of 6mm) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials , centering using Steel scaffolding pipes , jack props , wallers , Foot plates , brackets , steel centering plates etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., and overheads & contractors profit complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) Column pedestals																		Civil work	Design mix M25: Pedestals	402	8359.00	cum	205547.81
21		24.59																							
	22.66	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 360 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate) (consisting of nominal size metal 60% of 20mm , 15% of 13.20/12.50mm , 15% of 10mm and 10% of 6mm) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials , centering using Steel scaffolding pipes , jack props , wallers , Foot plates , brackets , steel centering plates etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., and overheads & contractors profit complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) Plinth Beams																		Civil work	Design mix M25: Plinth beams	402	10046.00	cum	227642.36
22		22.66																							

Sl.No.	Estimate quantity (Only figures)	Description of work																		Work Type	Item Short Description	APSS / Morth Cl. Number	Rate (INR)	Unit	Amount (INR)
		A			B	C	D	E	F	G	H	I	J	K	L	M	N	O	P						
	24.00	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 360 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate) (consisting of nominal size metal 60% of 20mm , 15% of 13.20/12.50mm , 15% of 10mm and 10% of 6mm) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials , centering using Steel scaffolding pipes , jack props , wallers , Foot plates , brackets , steel centering plates etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, laying concrete, curing etc., and overheads & contractors profit complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) Base slab 150mm thick for Septic tank & Sump :																			Civil work	Design mix M25: Base slab 150mm thick	402	1190.00	sqm	28560.00
23		0.00			11.00	13.00																			
	3.00	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 360 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate) (consisting of nominal size metal 60% of 20mm , 15% of 13.20/12.50mm , 15% of 10mm and 10% of 6mm) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials, centering using steel scaffolding pipes, Jack props, wallers, Foot plates, brackets, steel centering plates. etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, curing , overheads & contractors profit etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) COLUMNS : unsupported height up to 3.66 m : Ground Floor																			Civil work	Design mix M25: Columns – 3.66m	402	10071.00	cum	30213.00
		: Ground Floor																							
24		0.00										2.00			1.00										
	42.24	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 360 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate) (consisting of nominal size metal 60% of 20mm , 15% of 13.20/12.50mm , 15% of 10mm and 10% of 6mm) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials, centering using steel scaffolding pipes, Jack props, wallers, Foot plates, brackets, steel centering plates. etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, curing , overheads & contractors profit etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) COLUMNS : unsupported height up to 4.27 m : Ground Floor																			Civil work	Design mix M25: Columns – 4.27m	402	10521.00	cum	444407.04
		: Ground Floor																							
25		42.24																							
	22.48	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 360 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate) (consisting of nominal size metal 60% of 20mm , 15% of 13.20/12.50mm , 15% of 10mm and 10% of 6mm) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials, centering using steel scaffolding pipes, Jack props, wallers, Foot plates, brackets, steel centering plates. etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, curing , overheads & contractors profit etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) COLUMNS : unsupported height up to 4.27 m : First Floor																			Civil work	Design mix M25: Columns – 4.27m	402	11046.00	cum	248314.08
		: First Floor																							
26		22.48																							
	5.62	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 360 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate) (consisting of nominal size metal 60% of 20mm , 15% of 13.20/12.50mm , 15% of 10mm and 10% of 6mm) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials, centering using steel scaffolding pipes, Jack props, wallers, Foot plates, brackets, steel centering plates. etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, curing , overheads & contractors profit etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) COLUMNS : unsupported height up to 4.27 m : Second Floor																			Civil work	Design mix M25: Columns – 4.27m	402	11571.00	cum	65029.02
		: Second Floor																							
27		5.62																							

Sl.No.	Estimate quantity (Only figures)	Description of work	Work Type	Item Short Description	APSS / Morth Cl. Number	Rate (INR)	Unit	Amount (INR)
		A B C D E F G H I J K L M N O P						
	27.00	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 360 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate) (consisting of nominal size metal 60% of 20mm , 15% of 13.20/12.50mm , 15% of 10mm and 10% of 6mm) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials, centering using steel scaffolding pipes, Jack props, wallers, Foot plates, brackets, steel centering plates. etc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, curing , overheads & contractors profit etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) RCC Walls -150mm thick side walls : Ground Floor	Civil work	Design mix M25: RCC walls	402	4111.00	sqm	110997.00
		: Ground Floor						
28		0.00 3.00 24.00						
	3.06	Supply and placing of RCC M- 20 Nominal mix (Cement:fine aggregate: coarse aggregate) corresponding to Table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and centering using steel scaffolding pipes, Jack props, wallers, Foot plates, brackets, steel centering platesetc., including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, overheads & contractors profit etc., etc.,complete but excluding cost of steel and its fabrication charges for finished item of work. (APSS No. 402) LINTELS : : Ground Floor	Civil work	VRCC M20 Nominal mix : Lintel	402	9196.00	cum	28139.76
		: Ground Floor						
29		3.06						
	0.06	Supply and placing of RCC M- 20 Nominal mix (Cement:fine aggregate: coarse aggregate) corresponding to Table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and centering using steel scaffolding pipes, Jack props, wallers, Foot plates, brackets, steel centering platesetc., including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, overheads & contractors profit etc., etc.,complete but excluding cost of steel and its fabrication charges for finished item of work. (APSS No. 402) LINTELS : : First Floor	Civil work	VRCC M20 Nominal mix : Lintel	402	9657.00	cum	579.42
		: First Floor						
30		0.06						
	1.36	Supply and placing of RCC M- 20 Nominal mix (Cement:fine aggregate: coarse aggregate) corresponding to Table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and centering using steel scaffolding pipes, Jack props, wallers, Foot plates, brackets, steel centering platesetc., including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, overheads & contractors profit etc., etc.,complete but excluding cost of steel and its fabrication charges for finished item of work. (APSS No. 402) LINTELS : : Second Floor	Civil work	VRCC M20 Nominal mix : Lintel	402	9995.00	cum	13593.20
		: Second Floor						
31		1.36						
	34.41	Supply and placing of RCC M- 20 Nominal mix (Cement:fine aggregate: coarse aggregate) corresponding to Table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and centering using steel scaffolding pipes, Jack props, wallers, Foot plates, brackets, steel centering platesetc., including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, overheads & contractors profit etc., etc.,complete but excluding cost of steel and its fabrication charges for finished item of work. (APSS No. 402) CHAJJAS : : Ground Floor	Civil work	VRCC M20 Nominal mix : Chajjas	402	878.00	sqm	30211.98
		: Ground Floor						
32		34.41						
	17.72	Supply and placing of RCC M- 20 Nominal mix (Cement:fine aggregate: coarse aggregate) corresponding to Table 9 of IS 456 using 20mm size graded machine crushed hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and centering using steel scaffolding pipes, Jack props, wallers, Foot plates, brackets, steel centering platesetc., including Seigniorage charges, sales & other taxes on all materials including all operational, incidental and labour charges such as machine mixing, laying concrete, curing, overheads & contractors profit etc., etc.,complete but excluding cost of steel and its fabrication charges for finished item of work. (APSS No. 402) CHAJJAS : : Second Floor	Civil work	VRCC M20 Nominal mix : Chajjas	402	1267.00	sqm	22451.24
		: Second Floor						
33		17.72						

Sl.No.	Estimate quantity (Only figures)	Description of work																		Work Type	Item Short Description	APSS / Morth Cl. Number	Rate (INR)	Unit	Amount (INR)
		A			B	C	D	E	F	G	H	I	J	K	L	M	N	O	P						
	0.00	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 360 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate) (consisting of nominal size metal 60% of 20mm , 15% of 13.20/12.50mm , 15% of 10mm and 10% of 6mm) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials , centering using steel scaffolding pipes, Jack props, wallers, Foot plates, brackets, steel centering platesetc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, curing , overheads & contractors profit etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) BEAMS :Unsupported Height Up To 3.66 M : Ground Floor																			Civil work	Design mix M25: Beams – 3.66m	402	9846.00	cum	0.00
		: Ground Floor																							
34		0.00																							
	37.12	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 360 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate) (consisting of nominal size metal 60% of 20mm , 15% of 13.20/12.50mm , 15% of 10mm and 10% of 6mm) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials , centering using steel scaffolding pipes, Jack props, wallers, Foot plates, brackets, steel centering platesetc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, curing , overheads & contractors profit etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) BEAMS :Un Supported Height Up To 4.27 M : Ground Floor																			Civil work	Design mix M25: Beams – 4.27m	402	10548.00	cum	391541.76
		: Ground Floor																							
35		37.12																							
	8.31	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 360 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate) (consisting of nominal size metal 60% of 20mm , 15% of 13.20/12.50mm , 15% of 10mm and 10% of 6mm) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials , centering using steel scaffolding pipes, Jack props, wallers, Foot plates, brackets, steel centering platesetc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, curing , overheads & contractors profit etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) BEAMS :Un Supported Height Up To 4.27 M : First Floor																			Civil work	Design mix M25: Beams – 4.27m	402	10916.00	cum	90711.96
		: First Floor																							
36		8.31																							
	11.95	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 360 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate) (consisting of nominal size metal 60% of 20mm , 15% of 13.20/12.50mm , 15% of 10mm and 10% of 6mm) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials , centering using steel scaffolding pipes, Jack props, wallers, Foot plates, brackets, steel centering platesetc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, curing , overheads & contractors profit etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) BEAMS :Un Supported Height Up To 4.27 M : Second Floor																			Civil work	Design mix M25: Beams – 4.27m	402	11283.00	cum	134831.85
		: Second Floor																							
37		11.95																							
	23.00	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 360 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate) (consisting of nominal size metal 60% of 20mm , 15% of 13.20/12.50mm , 15% of 10mm and 10% of 6mm) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials , centering using steel scaffolding pipes, Jack props, wallers, Foot plates, brackets, steel centering platesetc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, curing , overheads & contractors profit etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) RCC ROOF SLABS :unsupported height up to 3.66 m :100 mm thick : Ground Floor																			Civil work	Design mix M25: Slab – 3.66m	402	1041.00	sqm	23943.00
		: Ground Floor																							
38					10.00	13.00																			

Sl.No.	Estimate quantity (Only figures)	Description of work																		Work Type	Item Short Description	APSS / Morth Cl. Number	Rate (INR)	Unit	Amount (INR)
		A			B	C	D	E	F	G	H	I	J	K	L	M	N	O	P						
	26.17	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 360 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate) (consisting of nominal size metal 60% of 20mm , 15% of 13.20/12.50mm , 15% of 10mm and 10% of 6mm) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials , centering using steel scaffolding pipes, Jack props, wallers, Foot plates, brackets, steel centering platesetc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, curing , overheads & contractors profit etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) RCC ROOF SLABS :unsupported height up to 3.66 m :100 mm thick : First Floor																			Civil work	Design mix M25: Slab – 3.66m	402	1077.00	sqm	28185.09
		: First Floor																							
39		26.17																							
	0.00	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 360 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate) (consisting of nominal size metal 60% of 20mm , 15% of 13.20/12.50mm , 15% of 10mm and 10% of 6mm) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials , centering using steel scaffolding pipes, Jack props, wallers, Foot plates, brackets, steel centering platesetc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, curing , overheads & contractors profit etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) RCC ROOF SLABS :unsupported height up to 3.66 m :125 mm thick : Ground Floor																			Civil work	Design mix M25: Slab – 3.66m	402	1182.00	sqm	0.00
		: Ground Floor																							
40		0.00																							
	313.85	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 360 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate) (consisting of nominal size metal 60% of 20mm , 15% of 13.20/12.50mm , 15% of 10mm and 10% of 6mm) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials , centering using steel scaffolding pipes, Jack props, wallers, Foot plates, brackets, steel centering platesetc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, curing , overheads & contractors profit etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) RCC ROOF SLABS :Unsupported Height Up To 4.27 M150 mm thick : Ground Floor																			Civil work	Design mix M25: Slab – 4.27m	402	1403.00	sqm	440331.55
		: Ground Floor																							
41		313.85																							
	11.41	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 360 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate) (consisting of nominal size metal 60% of 20mm , 15% of 13.20/12.50mm , 15% of 10mm and 10% of 6mm) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials , centering using steel scaffolding pipes, Jack props, wallers, Foot plates, brackets, steel centering platesetc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, curing , overheads & contractors profit etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) RCC ROOF SLABS :Unsupported Height Up To 4.27 M150 mm thick : First Floor																			Civil work	Design mix M25: Slab – 4.27m	402	1449.00	sqm	16533.09
		: First Floor																							
42		11.41																							
	16.15	Supply and placing of the Design Mix Concrete M 25 grade corresponding to IS 456 with minimum cement content of 360 kgs per 1 cum of concrete using WEIGH BATCHER / MIXER with 20mm size graded machine crushed hard granite metal (coarse aggregate) (consisting of nominal size metal 60% of 20mm , 15% of 13.20/12.50mm , 15% of 10mm and 10% of 6mm) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand) coarse aggregate, water etc., to site and including Seigniorage charges, sales & other taxes on all materials , centering using steel scaffolding pipes, Jack props, wallers, Foot plates, brackets, steel centering platesetc., including all operational, incidental and labour charges such as weigh batching, machine mixing, lifting of concrete manually, laying concrete, curing , overheads & contractors profit etc., complete but excluding cost of steel and its fabrication charges for finished item of work (APSS No. 402) RCC ROOF SLABS :Unsupported height up to 4.27 m:200 mm thick : Ground Floor																			Civil work	Design mix M25: Slab – 4.27m	402	1698.00	sqm	27422.70
		: Ground Floor																							
43		16.15																							

Sl.No.	Estimate quantity (Only figures)	Description of work																		Work Type	Item Short Description	APSS / Morth Cl. Number	Rate (INR)	Unit	Amount (INR)
		A			B	C	D	E	F	G	H	I	J	K	L	M	N	O	P						
	65.30	Plain Cement Concrete (1:3:6) nominal mix using 20mm size graded machine crushed hard granite metal (coarse aggregate) (consisting of nominal size metal 60% of 20mm, 15% of 13.20/12.50mm, 15% of 10mm and 10% of 6mm) from approved quarry including cost and conveyance of all materials like cement, fine aggregate(sand), coarse aggregate, water etc. to site, including seigniorage charges, sales & other taxes on all materials and including all charges for mixing, laying concrete in position, curing etc., & lift charges , and overheads & contractors profit for finished item of work. (APSS No. 402) : Ground Floor																		Civil work	PCC 1:3:6	402	5366.00	Cum	350399.80
		: Ground Floor																							
44		3.07										61.00	0.87	0.36											
	1.59	Plain Cement Concrete M 20 design mix using WEIGH BATCHER / MIXER, 20mm size hard granite machine crushed graded metal (Coarse aggregate) (consisting of nominal size metal 60% of 20mm , 15% of 13.20/12.50mm , 15% of 10mm and 10% of 6mm) from approved quarry, using a minimum quantity of 350 kgs. of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of seigniorage charges on all materials including steel centering, shuttering, machine mixing, lift charges, laying concrete,vibrating, curing, overheads & contrctors profit etc., complete for finished item of work (APSS No. 402 & 403) for steps : Ground Floor																		Civil work	M20 design mix	402 & 403	6252.00	Cum	9940.68
		: Ground Floor																							
45		1.59																							
	16.80	Reinforced Cement Concrete M 20 Nominal mix using 12mm size hard granite machine crushed graded metal (Coarse aggregate) (consisting of nominal size metal 60% of 13.20/12.50mm , 20% of 10mm and 20% of 6mm) from approved quarry, using a minimum quantity of 350 kgs. of cement per 1 cum of concrete including cost and conveyance of all materials like cement, fine aggregate (Sand), coarse aggregate, water etc., to site and cost of seigniorage charges on all materials including steel centering, shuttering, machine mixing, laying concrete, lift charges, curing etc., and overheads & contractors profit complete for finished item of work (APSS No. 402 & 403). Platforms & Shelves 50mm thick platforms :																		Civil work	M20 Nominal mix	402 & 403	429.00	sqm	7207.20
		50mm thick platforms :																							
46		16.80																							
	52.13	Providing HYSD bars of (Fe 415 grade as per IS 1786-1979) of different diameters for RCC works , including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lap-splicing with binding wire of 18 SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying including sales and other taxes on all materials etc. ,and overheads & contractors profit complete for finished item of work.(APSS No.126)																		Civil work	HYSD steel	126	50690.45	MT	2642675.64
47		50.63			0.51	0.70						0.29													
	0.30	Providing Mild steel (MS) steel bars (Fe 250 grade as per IS 432) of different diameters including labour charges for straightening, cutting, bending to required sizes and shapes, placing in position with cover blocks of approved materials and size and tying and lap-splicing with binding wire of 18 SWG, forming grills for reinforcement work as per approved designs and drawings, including cost and conveyance of steel bars, including all wastages such as overlaps, couplings, chairs, spacer bars including cost and conveyance of binding wire, cover blocks and all incidental, operational, labour charges such as cutting, bending, placing in position, tying including sales and other taxes on all materials etc. ,and overheads & contractors profit complete for finished item of work.(APSS No.126)																		Civil work	Mild steel	126	56058.80	MT	16817.64
48		0.30																							
	17.33	Masonry work in CM(1:8) prop with flyash Cement / lime solid blocks of size 290mm x 225mm x 140mm for manufacturing of flyash solid blocks using flyash of 80 kgs, cement of 15 kgs , Gypsum of 5kgs and stone dust including cost and conveyance of all materials, labour charges, seigniorage charges, scaffolding and curing etc., and Overheads & Contractors profit complete with a compressive strength not less than 50 kg/sq.cm for super structure wall (APSS No. 501 & 504).																		Civil work	Masonry work	501 &504	4908.00	Cum	85031.10
49															11.00		6.33								
	123.47	Masonry work in CM(1:8) prop with flyash Cement / lime solid blocks of size 290mm x 225mm x 140mm for manufacturing of flyash solid blocks using flyash of 80 kgs, cement of 15 kgs , Gypsum of 5kgs and stone dust including cost and conveyance of all materials, labour charges, seigniorage charges, scaffolding and curing etc., and Overheads & Contractors profit complete with a compressive strength not less than 50 kg/sq.cm for super structure wall (APSS No. 501 & 504). : Ground Floor																		Civil work	Masonry work	501 &504	5323.00	Cum	657230.81
		: Ground Floor																							
50		120.47					3.00	0.00																	
	75.05	Masonry work in CM(1:8) prop with flyash Cement / lime solid blocks of size 290mm x 225mm x 140mm for manufacturing of flyash solid blocks using flyash of 80 kgs, cement of 15 kgs , Gypsum of 5kgs and stone dust including cost and conveyance of all materials, labour charges, seigniorage charges, scaffolding and curing etc., and Overheads & Contractors profit complete with a compressive strength not less than 50 kg/sq.cm for super structure wall (APSS No. 501 & 504). : First Floor																		Civil work	Masonry work	501 & 504	5671.00	Cum	425608.55

Sl.No.	Estimate quantity (Only figures)	Description of work																		Work Type	Item Short Description	APSS / Morth Cl. Number	Rate (INR)	Unit	Amount (INR)
		A			B	C	D	E	F	G	H	I	J	K	L	M	N	O	P						
		: First Floor																							
51		75.05																							
	19.99	Masonry work in CM(1:8) prop with flyash Cement / lime solid blocks of size 290mm x 225mm x 140mm for manufacturing of flyash solid blocks using flyash of 80 kgs, cement of 15 kgs , Gypsum of 5kgs and stone dust including cost and conveyance of all materials, labour charges, seigniorage charges, scaffolding and curing etc., and Overheads & Contractors profit complete with a compressive strength not less than 50 kg/sq.cm for super structure wall (APSS No. 501 & 504). : Second Floor																		Civil work	Masonry work	501 & 504	6019.00	Cum	120319.81
		: Second Floor																							
52		19.99																							
	4.00	Reinforced Masonry for partition walls (100 mm thick) in CM (1:6) prop. (Cement : Sand) using Fly ash /lime solid blocks of size 290mm x 100mm x 140mm having minimum compressive strength of 50Kg/Sq cm and using two mild steel bars of 6mm dia. in every third layer of brick masonry , with free joints of main brick work including cost and seigniorage charges and conveyance of all materials and water from approved sources to work site and all operational and incidental, labour charges such as scaffolding , mixing mortar , constructing masonry , lift charges, curing etc. complete but excluding cost of steel and its fabrication charges and Overheads & Contractors profit complete for super structure wall (APSS No. 501 & 509).																		Civil work	RB Masonry work	501 & 509	502.00	Sqm	2008.00
53								4.00																	
	26.73	Reinforced Masonry for partition walls (100 mm thick) in CM (1:6) prop. (Cement : Sand) using Fly ash /lime solid blocks of size 290mm x 100mm x 140mm having minimum compressive strength of 50Kg/Sq cm and using two mild steel bars of 6mm dia. in every third layer of brick masonry , with free joints of main brick work including cost and seigniorage charges and conveyance of all materials and water from approved sources to work site and all operational and incidental, labour charges such as scaffolding , mixing mortar , constructing masonry , lift charges, curing etc. complete but excluding cost of steel and its fabrication charges and Overheads & Contractors profit complete for super structure wall (APSS No. 501 & 509). : Ground Floor																		Civil work	RB Masonry work	501 & 509	597.00	Sqm	15957.81
		: Ground Floor																							
54		22.73				4.00		0.00																	
	70.84	Reinforced Masonry for partition walls (100 mm thick) in CM (1:6) prop. (Cement : Sand) using Fly ash /lime solid blocks of size 290mm x 100mm x 140mm having minimum compressive strength of 50Kg/Sq cm and using two mild steel bars of 6mm dia. in every third layer of brick masonry , with free joints of main brick work including cost and seigniorage charges and conveyance of all materials and water from approved sources to work site and all operational and incidental, labour charges such as scaffolding , mixing mortar , constructing masonry , lift charges, curing etc. complete but excluding cost of steel and its fabrication charges and Overheads & Contractors profit complete for super structure wall (APSS No. 501 & 509). : First Floor																		Civil work	RB Masonry work	501 & 509	652.00	Sqm	46187.68
		: First Floor																							
55		70.84																							
	308.92	Ornamental ceiling plastering 12mm thick in two coats using screened sand with base coat of 8mm thick in CM (1:5) and top coat of 4mm thick in CM (1:3) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, curing as directed by Engineer-in-charge etc., and overheads & contractors profit complete for finished item of work.(SS 901,903 & 904) : Ground Floor																		Civil work	Ceiling plastering	901,903 & 904	343.00	Sqm	105959.56
		: Ground Floor																							
56		308.92						0.00																	
	36.20	Ornamental ceiling plastering 12mm thick in two coats using screened sand with base coat of 8mm thick in CM (1:5) and top coat of 4mm thick in CM (1:3) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, curing as directed by Engineer-in-charge etc., and overheads & contractors profit complete for finished item of work.(SS 901,903 & 904) : First Floor																		Civil work	Ceiling plastering	901,903 & 904	378.00	Sqm	13683.60
		: First Floor																							
57		36.20						0.00																	
	1083.41	Plastering 12mm thick in two coats using screened sand with base coat of 8mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting grooves as directed by Engineer - in - charge etc., and overheads & contractors profit complete for finished item of work for internal walls. (SS 901,903 & 904) : Ground Floor																		Civil work	Internal walls plastering	901, 903 & 904	327.00	Sqm	354275.07
		: Ground Floor																							
58		1083.41						0.00																	

Sl.No.	Estimate quantity (Only figures)	Description of work	Work Type	Item Short Description	APSS / Morth Cl. Number	Rate (INR)	Unit	Amount (INR)
		A B C D E F G H I J K L M N O P						
	361.64	Plastering 12mm thick in two coats using screened sand with base coat of 8mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting grooves as directed by Engineer - in - charge etc., and overheads & contractors profit complete for finished item of work for internal walls. (SS 901,903 & 904) : First Floor	Civil work	Internal walls plastering	901, 903 & 904	358.00	Sqm	129467.12
		: First Floor						
59		361.64						
	100.28	Plastering 12mm thick in two coats using screened sand with base coat of 8mm thick in CM (1:6) and top coat of 4mm thick in CM (1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting grooves as directed by Engineer - in - charge etc., and overheads & contractors profit complete for finished item of work for internal walls. (SS 901,903 & 904) : Second Floor	Civil work	Internal walls plastering	901, 903 & 904	389.00	Sqm	39008.92
		: Second Floor						
60		100.28						
	648.28	Plastering 12mm thick in two coats for weather exposed exterior walls using screened sand with base coat of 8mm thick in CM(1:6) and top coat of 4mm thick in CM(1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting grooves as directed by Engineer-in-charge etc., and overheads & contractors profit complete for finished item of work .(SS 901,903 & 904) : Ground Floor	Civil work	External walls plastering	901, 903 & 904	327.00	Sqm	211987.56
		: Ground Floor						
61		648.28 0.00						
	601.95	Plastering 12mm thick in two coats for weather exposed exterior walls using screened sand with base coat of 8mm thick in CM(1:6) and top coat of 4mm thick in CM(1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting grooves as directed by Engineer-in-charge etc., and overheads & contractors profit complete for finished item of work .(SS 901,903 & 904) : First Floor	Civil work	External walls plastering	901, 903 & 904	366.00	Sqm	220313.70
		: First Floor						
62		601.95 0.00						
	115.97	Plastering 12mm thick in two coats for weather exposed exterior walls using screened sand with base coat of 8mm thick in CM(1:6) and top coat of 4mm thick in CM(1:4) with dubara sponge finishing including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing, including cutting grooves as directed by Engineer-in-charge etc., and overheads & contractors profit complete for finished item of work .(SS 901,903 & 904) : Second Floor	Civil work	External walls plastering	901, 903 & 904	409.00	Sqm	47431.73
		: Second Floor						
63		115.97						
	118.00	20mm thick plain cement mortar Raised Bands using screened sand with CM 1:4 (1 cement: 4 Sand) upto 300mm in width as per approved drawings, including cost and conveyance of all materials like cement, sand, water etc., to site, including seigniorage charges, sales & other taxes on all materials, and all operational, incidental charges on materials and including cost of all labour charges for mixing mortar, finishing, scaffolding, lift charges, curing etc as directed by Engineer-in-charge etc., and overheads & contractors profit complete for finished item of work .(SS 901,903 & 904)	Civil work	Raised band	901, 903 & 904	264.00	Rmt	31152.00
64		118.00						
	322.40	Providing impervious coat to exposed RCC roof slab surfaces to required slopes with CM (1:3) prop. using screened sand 20mm thick (average) mixed with water proofing compound manufactured by reputed manufacturers as approved by Engineer-in-charge at 1 Kg per one bag of cement, laid over roof slab when it is green, finished smooth with a floating coat of neat cement and thread lining at regular intervals of 45cmx45cm including cost and conveyance of all materials like cement, sand, water proofing compound, water etc., to site, including seigniorage charges, sales & other taxes on all materials and operational, incidental, and labour charges for mixing mortar, laying, lift charges, rendering smooth and thread lining, curing including rounding off junctions of wall and slab etc., and overheads & contractors profit complete for finished item of work. (APSS No. 901 & 903). : First Floor	Civil work	Impervious coat	901 & 903	403.00	Sqm	129927.20
		: First Floor						
65		322.40						

Sl.No.	Estimate quantity (Only figures)	Description of work	Work Type	Item Short Description	APSS / Morth Cl. Number	Rate (INR)	Unit	Amount (INR)
		A B C D E F G H I J K L M N O P						
	1.92	RCM facia 50mm thick using screened sand for drop walls, fins with rabbit wire mesh & nominal reinforcement as directed by Engineer - In - Charge with dubara sponge finishing,including cost and conveyance of all materials to site, seigniorage charges,sales & other taxes on all materials, operational & incidental,cost and conveyance of cement,wire mesh,water to work site,centering,scaffolding and form work,lift charges etc., and overheads & contractors profit complete for finished item of work but excluding cost of steel and its fabrication charges for finished item of work(APSS NO.403&903) : Ground Floor	Civil work	RCM facia	403 & 903	1282.00	Sqm	2461.44
		: Ground Floor						
66		1.92						
	0.00	Supply and fixing of ornamental grill made of 40mm x 40mmx 5mm MS angle alround the opening & 12mm square bars @ 125mm center to center to the peripheral angle for openings as per the approved drawing including cutting to required length, welding, painting with two coats of synthetic enamel paint over red oxide single coat including cost and conveyance of all materials, labour charges etc., complete for finished item of work for openings in buildings.	Civil work	Grills	SS	1841.00	Sqm	0.00
67		0.00						
	221.75	Flooring with polished shahabad / Tandur stone slabs of 15mm to 18mm thick of approved size as specified set over a base coat of CM (1:8) , 12mm thick using screened sand over already laid CC bed / RCC roof slab including neat cement slurry of honey like consistency spread @ 3.3 Kgs per Sqm and jointed with neat cement to full depth including cost and conveyance of all materials like cement, sand, water, flooring stones etc. complete including seigniorage charges, sales & other taxes on all materials including all labour charges like dressing of flooring stones to the required size, mixing of cement mortar, laying, lift charges , cost of base coat etc., and overheads & contractors profit complete for finished item of work. (APSS No.703 & 701) : Ground Floor	Civil work	Shahabad flooring	703 & 701	627.00	Sqm	139037.25
		: Ground Floor						
68		221.75						
	56.56	Flooring with Non-skid red or white full body Ceramic floor tiles of size 300 x 300 mm and thickness between 7-8mm 1st quality conforming to IS:13711, IS:13712,IS:13630 (Parts 1 to 15) of any colour and finish in all shades and designs as approved by Engineer-in-charge, set over base coat of cement mortar (1:8), 12mm thick using screened sand over CC bed already laid or RCC roof slab, including neat cement slurry of honey like consistency spread @ 3.3 Kgs per Sqm & jointed neatly with white cement paste to full depth mixed with pigment of matching shade, including cost of all materials like cement, sand water and tiles etc., complete, including seigniorage charges, over heads and contractors profit etc., complete for finished item of work : Ground Floor	Civil work	Ceramic flooring	SS	906.00	Sqm	51243.36
		: Ground Floor						
69		56.56						
	1082.48	Gronolithic Concrete flooring 20 mm thick with (1:1:2), using 6mm to 12 mm size hard granite machine crushed metal and screened sand laid over CC bed already laid or RCC roof slab, in alternate panels of size not exceeding 1.50 m x 1.50 m and finishing the top surface to required smooth and level as possible and it is expected that a ZERO level is provided to a tolanance of 3mm and thread lining including cost of all materials like cement, metal sand and water etc. complete, including seigniorage charges etc.,and overheads & contractors profit complete for finished item of work. (APSS No.701 & 710). : Ground Floor	Civil work	Gronolithic flooring	701 & 710	310.00	Sqm	335568.80
		: Ground Floor						
70		474.48 608.00						
	231.00	Supply, installation & finishing of Air-Cush free floating resilient wooden sports flooring system consisting of the Surface board: made of kiln seasoned treated Teak wood finished with 21 mm thick , 58 mm to 75 mm and in random length in tounge and grove shape. the edges of the board will have a finger lock grove and bottom side with air pass grove and treated with special anti termite and water resistant lacquer. The Under Frame: Made of commercial quality Fir / Spruce/Pine wood runners of 65mm x 40mm treated with anti-termite solution and fixed on the bottom side with 10mm thick air-cell cushioning pads by staple through the two wings at 350mm c/c. The Installation: The IPS sub-floor to be treated with H.C. Oil and a vapour barrier of 6 ml. thick to be placed on the levelled IPS sub-floor before laying the under frame. The runners having air-cell cushioning pads to be placed on the vapour barrier in perfect level at 300mm c/c in one direction. The surface boards will be screwed to the runners through the tongue only and will lock the screwed tongue by the groove of the adjoining boards. the ends of the boards will be locked by inserting the wooden fingers through the edge grooves and fixed with suitable adhesive. An expansion gap of 6 to 8mm will be left open between the wooden flooring and the surrounding tiled areas / walls and covered with rubber straps. 1) The timber used for surface boards should be Teak wood. 2) All timber should be free from loose knots, bee or borer holes, splits, cracks and fungal attack. 3) All timber should kiln seasoned to a moisture content of 10% to 12%. Cost includes cost of all materials & taxes, all labour charges for cleaning of floor, laying of wooden flooring – skirting system and overheads & contractors profit complete for finished item of work.	Civil work	wooden flooring	SS	4306.00	Sqm	994686.00
71		231.00						

Sl.No.	Estimate quantity (Only figures)	Description of work	Work Type	Item Short Description	APSS / Morth Cl. Number	Rate (INR)	Unit	Amount (INR)
		A B C D E F G H I J K L M N O P						
	0.00	Supplying and laying of Vinyl Flooring Sheets having a nominal total thickness of 2.0 mm with a wearing surface impregnated polyurethane homogeneous mixture of PVC, Plasticizers, Urethane, color pigments with wearing resistance and Fire Resistance as per standards including cleaning of surface, laying and gluing/ pasting of PVC sheet with suitable adhesives, cutting and jointing of ends to straight. Rate includes cost & conveyance of all materials, taxes, labour charges for cleaning and laying and over heads & contractor's profit etc complete for finished item of work.	Civil work	PVC flooring	SS	1187.00	Sqm	0.00
72		0.00						
	20.70	Providing polished shahabad / Tandur stone slabs of 15mm to 18mm thick in single piece as specified set over a base coat of CM (1:8) , 12mm thick using screened sand over already laid CC bed / RCC roof slab including neat cement slurry of honey like consistency spread @ 3.3 Kgs per Sqm and jointed with neat cement to full depth including cost and conveyance of all materials like cement, sand, water, flooring stones etc. complete including seigniorage charges, sales & other taxes on all materials including all labour charges like dressing of flooring stones to the required size, flat nosing the edges, mixing of cement mortar, laying, lift charges , cost of base coat etc., and overheads & contractors profit complete for finished item of work for treads. (APSS No.703 & 701) Treads of 0.30m wide :	Civil work	Shahabad skirting/ Risers	703 & 701	828.00	Sqm	17139.60
		Treads of 0.30m wide :						
73		20.70						
	20.77	Providing polished shahabad / Tandur stone slabs of 15mm to 18mm thick in single piece as specified set over a base coat of CM (1:8) , 12mm thick using screened sand over already laid CC bed / RCC roof slab including neat cement slurry of honey like consistency spread @ 3.3 Kgs per Sqm and jointed with neat cement to full depth including cost and conveyance of all materials like cement, sand, water, flooring stones etc. complete including seigniorage charges, sales & other taxes on all materials including all labour charges like dressing of flooring stones to the required size, flat nosing the edges, mixing of cement mortar, laying, lift charges , cost of base coat etc., and overheads & contractors profit complete for finished item of work for treads. (APSS No.703 & 701) Skirting/ Risers - upto 0.15m height :	Civil work	Shahabad skirting/ Risers	703 & 701	665.00	Sqm	13812.05
		Skirting/ Risers - upto 0.15m height :						
74		20.77						
	153.07	Providing dadooing to walls with Digital/ Polished glazed full body porcelain wall tiles of approved size or 300 x 600 mm size with any type of design texture such as marble finish, wooden, bamboo, stone finishes etc.,scratch less, stain free and thickness between 6-8 mm1st quality conforming to IS:13711, IS:13712, IS:13630(Parts 1 to 15) of any colour and finish in all shades and designs with borders as approved by Engineer-in-Charge set over base coat of CM(1:5) 12 mm thick using screened sand with cement slurry of honey like consistency spread at the rate of 3.30 kgs per sqm and jointing with white cement paste mixed with pigment of matching shade to full depth, including cost of all materials like tiles, cement, sand and water etc., complete including seigniorage charges etc., and overheads & contractors profit complete for finished item of work. : Ground Floor	Civil work	Dadooing	SS	978.00	Sqm	149702.46
		: Ground Floor						
75		153.07						
	4.68	Reinforced cement concrete (1:5:10) proportion (Cement: fine aggregates: coarse aggregate) using 40mm size (SS5) hard granite metal (coarse aggregate) from approved quarry including cost and conveyance of all materials like cement, fine aggregate (sand), coarse aggregate, water etc., to site and cost of seigniorage charges on all materials including centering using Casurina Ballies , Bamboos , Wooden Reapers , Runners , Wood Posts , Wall Plates etc., shuttering, machine mixing, laying concrete, lifting concrete manually , curing etc., and overheads & contractors profit complete as per drawings but excluding cost of steel and it's fabrication charges for finished item of work (APSS NO. 402 & 403) for Dummy columns. : First Floor	Civil work	Dummy columns	402 & 403	7685.00	Cum	35965.80
		: First Floor						
76		4.68						

Sl.No.	Estimate quantity (Only figures)	Description of work	Work Type	Item Short Description	APSS / Morth Cl. Number	Rate (INR)	Unit	Amount (INR)
		A B C D E F G H I J K L M N O P						
	5.20	Supply and fixing powder coated aluminium fully glazed swing door cum window as per the approved drawing with fixed fan light of 500mm height at top door & window using aluminium sections of 101.60 mmm x 44.45mm , 3.18 mm thick for frame and door shutter made of styles , top and middle rail of 47.62mm x 44.45mm , 3.18 mm thick and bottom rail of 114.30mm x 44.45 mm , 3.18mm thick,powder coating of alluminium sections 25mm microns thick, 5 mm thick plain float glass fitted with suitable aluminium glazing clips and rubber beading in fan light portion, double shutters fitted with 5mm thick frosted / ground glass in the top half and 12mm thick prelaminated particle board (One side choice colour and other side balancing white lamnation) in the bottom half fitted with suitable aluminium glazing clips and rubber beading, shutters mounted on double action hydraulic floor spring of approved brand manufacture IS : 6315 marked , Hardwyn make M-3000 for doors including cost of cutting floors as required , embedding in floors and SS cover plates with brass pivot and sigle piece MS Sheet outer box with slide plate etc.complete(Weight Capacity up to 130 Kgs) as approved by Engineer-in-Charge including supply and fixing ISI marked powder coated aluminium fixtures of 4 Nos.tower bolts 10mm bolt (IS:204) 300mm long , 4 Nos.alluminium handles (IS:208) 150mm dia and 2 Nos. aldrops (IS:2681) 300mm long including labour charges for manufacturing door , fixing the door with required No. of screws etc., including overheads & contractors profit complete for finished item of work. (The Aluminium section used shall be standard make confirming to IS 1948 – 1961) and as approved by the Engineer) (1000 x 2600 + 2000 x 2600 + 1000 x 2600)	Civil work	Glazed door cum window	SS	5860.00	sqm	30472.00
77		5.20						
	91.16	Providing and fixing of door frames factory made, internal door frames without threshold, fabricated from pre painted cold roll formed section 100 mm x 60 mm made of galvanized (base steel as per IS-513 'D' quality galvanized as per IS-277 with Zinc of 120 Gms/sqm) steel colour coated sections with total coated thickness of 1 mm primer coated with epoxy primer of 5-7 microns thick finish painted with polyester paint of 12- 16 microns and back coated with alkyd backer of 5-7 microns, the frame section filled with polyurethane (PU Foam) of 40 kg/Cum and the sections cut to length and mitre joined by means of 1.25 mm thick CRCA electroplated corner brackets of size 75 x 75 mm and 1.25 mm thick electroplated stiffeners of size 150 mm for fixing hold fasts and hinges with MS Powder coated fittings a) 6 Nos M.S. Z Type hold fasts made of 30 mm x 3 mm MS flat of 230 mm long, 3 Nos each size expandable PVC covered screw type fasteners b) 2.5 mm x 300 mm long 'T' hinges /2.5 mm x 50 mm x 50 mm x 100 mm two way but hinges (3 Nos for single leaf or 2 Nos for Double leaf/leaf) c) 12 mm Diameter MS tie rod at bottom with necessary size of nuts on either side including cost of conveyance of all materials, labour charges, over heads & contractor's profit etc., complete for finished item of work	Civil work	Door frames	SS	539.00	Rmt	49135.24
78		91.16						
	11.85	Providing and fixing Flush door shutters, solid bond wood block board type with teak veneer on one face and commercial ply on another face (lipping): 35 mm thick conforming to IS:2202 to the required shutter size fixing in position with all necessary arrangements including cost of materials, transportation, labour charges, over heads & contractor's profit etc., for finished item of work.	Civil work	Flush door 35mm thick	SS	3191.00	sqm	37813.35
79		11.85						
	15.15	Providing and fixing Flush door shutters, solid bond wood block board type with commercial ply on both faces : 30 mm thick conforming to IS:2202 to the required shutter size fixing in position with all necessary arrangements including cost of materials, transportation, labour charges, over heads & contractor's profit etc., for finished item of work.	Civil work	Flush door 30mm thick	SS	1888.00	sqm	28603.20
80		15.15						
	36.00	Providing and Fixing Pre-painted steel Sliding Window fabricated from Roll formed sections made of galvanized Steel colour coated/powder coated steel as per IS 513 'D' quality, galvanized as per IS 277 thickness of 0.58 mm, primer coat with epoxy primer, finish painted with a polyester paint or powder coated with pure polyester powder and the section for external frame bottom of 79 x 44 mm, external frame sides and top of 69 x 24 mm, guide for top and bottom of 69 x 26 mm (Stainless Steel) and section for shutter of 26 x 30 mm and panelled with 5mm thick plain float glass fitted with EPDM gaskets sections cut to length, joined and assembled by means of corner bracket, including fixing windows in the concrete/masonry walls by means of self expanding brackets & screws, Silicon sealant applied at the Outer frame corners including 10mm square guard bars with 4" pitch (100.00mm) and all taxes, over heads & contractor's profit etc., complete for finished item of work.	Civil work	Prepainted steel window	SS	7707.00	sqm	277452.00
81		36.00						
	23.40	Providing and fixing of louvered Ventilators made of pre-painted steel as per IS 513 of 0.80 mm thick galvanized as per IS 277 with a polyester paint with and fitted with 4 mm thick plain float glass including fixing the frames in concrete/masonry wall by means of self expanding screws, over heads & contractor's profit etc., complete for finished item of work for (i) Single fixed Louvers Ventilator size of 2' 0" x 2' 0" (609.6 x 609.6mm) outer frame box section size of 80 x 45mm and (ii) Double fixed Louvers ventilator Size of 4' 0" x 2' 0" (1219.2mm x 609.6mm) outer frame box section size of 80 x 45mm, vertical mullion section size of 80 x 60 mm and (iii) Double fixed Louvers Ventilator size of 4'0" x 3'0" (1219.2mm x 914.4mm) outer frame box section size of 80 x 45mm , Vertical mullion section size of 80 x 60 mm.	Civil work	ventilators	SS	4746.00	sqm	111056.40

Sl.No.	Estimate quantity (Only figures)	Description of work																		Work Type	Item Short Description	APSS / Morth Cl. Number	Rate (INR)	Unit	Amount (INR)
		A			B	C	D	E	F	G	H	I	J	K	L	M	N	O	P						
82		23.40																							
	0.00	Supply & fixing of Rolling shutter made of 80 x 1.25 mm machine rolled CRCA laths, interlocked together through their entire length and jointed together at the ends by end-locks, mounted on specially designed pipe shaft of 50mm Diameter nominal bore MS B class pipe with brackets, plates, guide channels, stoppers, bottom locking plates and arrangements for inside & outside locking with push-pull operations including cost of hood cover and springs complete, painted with one coat of approved steel primer, locks, ball bearings, all accessories, over heads & contractor's profit etc complete for finished item of work as per special Spec: 1108																		Civil work	Rolling shutters	1108	4063.00	sqm	0.00
83																									
	6.76	Supplying & fixing collapsible steel shutters with vertical, double channel of 20x10x2 mm of 100 mm centre ,Bracers with flat iron 40x40x6 mm with 38 mm dia steel pulleys, the top, bottom and side vertical frames of the collapsible gate with 65x65mmx8mm MS Angle and middle guide rail at site height with65mmx8mm MS flat for the pulleys to guide and fixed with necessary hold fasts, bolts, nuts, rivets, locking arrangements, stoppers, handles, all accessories all fixtures and painted with one coat of approved steel primer, including cost of conveyance, labour charges, over heads & contractor's profit etc., complete for finished item of work as per special spn 1105																		Civil work	Collapsible gate	1105	3657.00	sqm	24721.32
84		6.76																							
	11.17	Supplying and fixing of stainless steel (grade 304) hand railing as per approved drawing with top rail of 50mm dia pipe and 2mm thick medium class and vertical posts of 25mm dia and 1.6mm thick medium class 2 Nos for each step fixed with base plate of 75mm dia using bonding agent and anchor fastner and welding, drilling of 20mm dia holes with pneumatic compressor for fixing railing, buffing, polishing all members of the railing thoroughly , lacquer finishing to present seamless finish including cost and conveyance of all materials, electrodes, welding charges, cost of all consumables, labour charges , overheads & contractors profit, for all leads and lifts etc., complete finished item of work.																		Civil work	Hand railing	SS	5860.00	Sqm	65456.20
85		11.17																							
	65.00	White washing two coats with Paint grade lime for white/ colour wash to give an even shade after thouroughly brushing the surface to remove all dirt and remains of loose powdered materials including cost of all materials , labour charges and incidental such as scaffolding , lift charges etc., and overheads & contractors profit complete for finished item of work but excluding conveyance of materials in all floors.																		Civil work	White wash		31.00	Sqm	2015.00
86															65.00										
	1890.45	Painting to new walls with 2 coats of ready mixed oil bound washable distemper of approved brand and shade over a base coat of Cement primer interior grade – 1 of approved brand, making 3 coats in all to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, including cost and conveyance of all materials to work site and all operational, incidental, labour charges, and overheads & contractors profit complete etc. complete for finished item of work as per SS 911 for all floors.																		Civil work	OBD painting	911	108.00	Sqm	204168.60
87		1890.45																							
	1439.12	Supply & application of one coat of cement concrete primer & two coats of acrylic exterior emulsion paint having VOC (Volatile Organic Compound) content less than 50 grams/litre for exterior walls including cost and conveyance of all materials to site, sales & other taxes, incidental, operational and all labour charges etc.,and overheads & contractors profit complete for finished item of work in all floors.																		Civil work	Exterior emulsion paint	SS	186.00	Sqm	267676.32
88		1368.12						71.00																	
	15.40	Supply & applying Melamine Polish Glossy/ Matt finish to the wood works duly cleaning the surface and applying emery paper, Sand the wood with 180 No., emery paper and then with 320 No., emery paper, clean & wipe off loose dust, applying suitable knifing paste filler / wood filler by putty knife / muslin pad, air dry for 2 - 3 hrs, sand with 180 and 320 No., emery paper, apply two component wood sealer, air dry for 24 hrs, Sand with 320 No emery paper, applying one coat of approved spraying thinner (for spraying)/ applying one coat of approved brushing thinner or general purpose thinner (for brushing) and apply (either with spray or brush) two coats of approved brand melamine including cost & labour charges , emery papers, cost of thinner & melamine polish of approved brands such as Jenson & Nicholson, Asian Paints, Berger Paints or equivalent etc., Overheads & Contractor profit complete for finished item of work																		Civil work	Melamine polish	SS	893.00	Sqm	13752.20
89		15.40																							
	50.57	Painting to new wood work and flush shutters with lappam finish , over a primary coat and painting two coats of Acrylic Emulsion paint interior grade VOC (Volatile Organic Compound) content less than 50 grams/litre of approved shade including cost and conveyance of all materials to site cost of primer coat and all labour charges etc. complete including applying sand paper on lappam coats for neat finish including sales & other taxes on cost of all materials etc.and overheads & contractors profit complete (APSS No.1200, 1207 & 1211) in all floors.																		Civil work	Painting to wood work	1200, 1207 & 1211	165.00	sqm	8344.05
90		50.57																							

Sl.No.	Estimate quantity (Only figures)	Description of work																		Work Type	Item Short Description	APSS / Morth Cl. Number	Rate (INR)	Unit	Amount (INR)
		A			B	C	D	E	F	G	H	I	J	K	L	M	N	O	P						
	20.14	Painting two coats with synthetic enamel paint Grade-II VOC (Volatile Organic Compound) content less than 50 grams/litre over a primary coat to new iron work including cost and conveyance of all materials to site, sales & other taxes, incidental, operational and all labour charges etc.,and overheads & contractors profit complete for finished item of work in all floors. (SS No. 1201, 1212 & 1207).																		Civil work	Painting to Iron work	1200, 1207 & 1211	138.00	Sqm	2779.32
91		10.14						6.00							4.00										
	9.00	Supply and fixing of Aluminium tower bolts – 300mm long of approved quality to Flush Doors including cost and conveyance of all material and labour charges etc including complete overheads and contractors profit for finished items of the work.																		Civil work	Tower bolts 300mm	SS	225.00	Each	2025.00
92		9.00																							
	11.00	Supply and fixing of Aluminium tower bolts – 200mm long of approved quality to Flush Doors including cost and conveyance of all material and labour charges etc including complete overheads and contractors profit for finished items of the work.																		Civil work	Tower bolts 200mm	SS	130.00	Each	1430.00
93		11.00																							
	6.00	Supply and fixing ofAluminium Aldrop – 300mm long of approved quality to Flush Doors including cost and conveyance of all material and labour charges etc including complete overheads and contractors profit for finished items of the work.																		Civil work	Aldrop - 300mm	SS	483.00	Each	2898.00
94		6.00																							
	11.00	Supply and fixing of Aluminium Aldrop – 200mm long of approved quality to Flush Doors including cost and conveyance of all material and labour charges etc including complete overheads and contractors profit for finished items of the work.																		Civil work	Aldrop - 200mm	SS	374.00	Each	4114.00
95		11.00																							
	22.00	Supply and fixing of Aluminium fancy Handles – 125mm long of approved quality to Flush Doors including cost and conveyance of all material and labour charges etc including complete overheads and contractors profit for finished items of the work.																		Civil work	Handle - 125mm	SS	143.00	Each	3146.00
96		22.00																							
	18.00	Supply and fixing of Aluminium fancy Handles – 150mm long of approved quality to Flush Doors including cost and conveyance of all material and labour charges etc including complete overheads and contractors profit for finished items of the work.																		Civil work	Handle - 150mm	SS	159.00	Each	2862.00
97		18.00																							
	9.00	Supply and fixing of Aluminium Heavy duty door stopper of approved quality to Flush Doors including cost and conveyance of all material and labour charges etc including complete overheads and contractors profit for finished items of the work.																		Civil work	Door stopper	SS	72.00	Each	648.00
98		9.00																							
	60.00	Supply and fixing of MS powder coated butt hinges – 150mm long of approved quality to Flush Doors including cost and conveyance of all material and labour charges etc including complete overheads and contractors profit for finished items of the work.																		Civil work	Hinges	SS	50.00	Each	3000.00
99		60.00																							
	234.00	Providing and fixing MS Gate fabricated with MS Flats, Square/round bars as per drawing and details including all taxes, cost and conveyance of all materials to site, all labor charges for fabricating ,fixing at site, fixing of hold fasts in Concrete, over heads & contractor's profit etc., complete for finished item of work.																		Civil work	MS Gate	Gate	101.00	Each	23634.00
100															234.00										
	2955.00	Providing and fixing A-Type trusses using MS square hallow sections for top, bottom& inclined members, etc, fabrication of trusses, stanchions, heavy beams, girders including cost and conveyance of all materials cost of welding rods, power charges, etc including cost of fixing in position and all labour charges for erecting in position and fixing by using chain pulley blocks, Derek pole arrangements and cranes etc., complete in position etc. over heads and Contractors profit etc. complete. Final work will be as per approved drawings and directions of Engineer in Charge.																		Civil work	A type Truss	SS	88.00	Kg	260040.00
101		2955.00																							

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		A			B	C	D	E	F	G	H	I	J	K	L	M	N	O	P						
	1698.00	Providing, fabricating and fixing GI Z purlins of required sections as per approved drawings, including cost and conveyance of all materials, power charges, etc cost of fixing in position and all labour charges for erecting in position and fixing by using chain pulley blocks, Derek pole arrangements and cranes etc., complete in position etc. over heads and Contractors profit etc. complete. Final work will be as per approved drawings and directions of Engineer in Charge.																		Civil work	Z purlin	SS	117.00	Kg	198666.00
102		1698.00																							
	439.72	Providing & fixing of Pre-painted Galvalume Trapezoidal Profile Roofing sheets with 0.50mm thickness, Coating: Alu-Zinc coating AZ150 GSM. Tensile Strength: 550 MPA. Paint coating: Regular Modified Polyester painting. Painting Thickness (Top): 18 to 20 Microns, (Bottom): 5 to 7 Microns. Sheet Width: 1.020, Length: Maximum 12 Meters with Regular Range Colours for Gutters, Ridge cap etc. Final work will be as per approved drawings and directions of Engineer in Charge including cost and conveyance of all materials and all labour charges etc. over heads and Contractors profit etc. complete																		Civil work	trussless sheet	SS	599.00	sqm	263392.28
103		439.72																							
	63.27	Providing and fixing Standard Galvanized steel posts of 80mm dia and thickness of 4.0mm with all necessary accessories as per approved drawing and details including fixing in basement Concrete, all taxes, cost and conveyance of all materials to site, all labor charges for fabricating, overheads & contractor's profit etc., complete for finished item of work.																		Civil work	GI poles	SS	828.00	Rmt	52387.56
104													7.02			56.25								
	18.30	Providing and fixing Standard Galvanized steel posts of 40mm dia and thickness of 3.20mm with all necessary accessories as per approved drawing and details including fixing in basement Concrete , all taxes, cost and conveyance of all materials to site, all labor charges for fabricating , overheads & contractor's profit etc., complete for finished item of work.																		Civil work	GI poles	SS	444.00	Rmt	8125.20
105																18.30								
	10.52	Providing and fixing Standard Galvanized steel posts of 50mm dia A class GI pipes as per IS 1239 with all necessary accessories as per approved drawing and details including fixing in basement Concrete , all taxes, cost and conveyance of all materials to site, all labor charges for fabricating , overheads & contractor's profit etc., complete for finished item of work.																		Civil work	GI poles	SS	526.00	Rmt	5533.52
106		10.52																							
	3.40	Providing GI pipe 100mm dia medium quality including fixing in position with all necessary closing caps & accessories as per approved drawing and details including fixing in basement Concrete , all taxes, cost and conveyance of all materials to site, all labor charges for fabricating, overheads & contractor's profit etc., complete for finished item of work.																		Civil work	GI poles	SS	1290.00	Rmt	4386.00
107														3.40											
	0.00	Providing and fixing Standard Galvanized steel posts of 150mm dia and thickness of 4.80mm with all necessary accessories as per approved drawing and details including fixing in basement Concrete, all taxes, cost and conveyance of all materials to site, all labor charges for fabricating , overheads & contractor's profit etc., complete for finished item of work.																		Civil work	GI poles	SS	1512.00	Rmt	0.00
108																									
	1.00	Supplying & Fixing of pair of Rectangular Back board for Basketball court of 1.80m x 1.20m, 25mm thick of standard size as per approved drawings & directions of the Engineer in Charge including cost of material, transportation, labour charges for fixing to the existing posts with all necessary arrangements and over heads & contractor's profit etc. complete for finished item of work.																		Civil work	Back board	SS	72146.00	pair	72146.00
109												1.00													
	168.00	Supply & fixing of Standard Cricket Practice knotted nets made from synthetic polymer (Polyethelene) having colour black/ green with mesh size of 50mm and twain diameter of 1.8mm to 2.00mm thick. Net should be UV stabilized and rot proof. Net will be fixed to GI poles with suitable clips and accessories etc complete as per directions of the Engineer-in-charge. Rate includes cost of net of standard size, required accessories, conveyance charges, labour charges for fixing, over heads & contractor's profit etc., complete.																		Civil work	Cricket Pitch	SS	65.00	pair	10920.00
110																168.00									
	13.00	Supplying and fixing of double leaf MS gate of size 2.00m x 2.10m as per drawing using 50mm x 50mm x 6mm MS angle alround and horizontally in the middle , 50mm x 10mm MS flats verticallt @ 90mm c/c , fixing ornamental flowers , arrows , MS hinges , aldrop as per the drawing including cost and conveyance of all materials , labour charges , welding charges , all incidental charges , painting with Zinc chromate yellow oxide iron primer , overheads & contractoers profi etc., complete for finished item of work.																		Civil work	Main Gate	SS	5555.00	sqm	72215.00
111								13.00																	

Sl.No.	Estimate quantity (Only figures)	Description of work	Work Type	Item Short Description	APSS / Morth Cl. Number	Rate (INR)	Unit	Amount (INR)
		A B C D E F G H I J K L M N O P						
	575.00	Providing and fixing 1.8 m high GI barbed wire fencing with 1.8 m RCC posts 150 mm x 150 mm having placed every 3 m centre-to-centre founded in M15 grade cement concrete, 0.6 m below ground level, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with 11 horizontal lines and 2 diagonals interwoven with horizontal wires, fixed with GI staples, turn buckles etc., complete as per Clause 1705 MORD. RCC post should be having MS angle of 40x 40x 5mm of 0.3m embedded in post and 0.6m above post to facilitate 1.8m overall height of fencing as per the directions of the Engineer in charge including cost and conveyance of all materials and all labour charges etc. over heads and Contractors profit etc. complete	Civil work	Fencing	1705	366.00	Rmt	210450.00
112		575.00						
	106.00	Providing 3.6 metre high fencing with angle iron posts 60 mm x 40 mm x 5 mm at 3 metre center to center with 0.60 metre embedded in PCC 1:4:8 cement concrete, corner, end and every 10th post to be strutted, provided with Hot dipped Galvanized Iron Chain link mesh 8 gauge and fixed to iron posts by unequal angle 45 x 30 x 5 mm at three levels with nuts and bolts and welded consumables etc., painting with two coats of enamel paint over primer coat, making the required gate openings etc including cost and conveyance of all materials, over heads & contractors profits complete in all respects. (MORTH Suggestive)	Civil work	Chain link	SS	2790.00	Rmt	295740.00
113		0.00 106.00						
	144.00	Providing and fixing NAME BOARD fabricated with Mild Steel sheet welded to angular/square sections fixing with suitable arrangements in compound wall as per approved drawing and details including all taxes, cost and conveyance of all materials to site, all labour charges for fabricating, fixing at site, fixing in concrete, over heads & contractor's profit etc., complete for finished item of work as directed by the engineer in charge.	Civil work	Name board	SS	74.00	Kg	10656.00
114		144.00						
	0.00	Dismantling of existing structures like buildings, sheds and other structures comprising of masonry, cement concrete, wood work, steel work by manual/ mechanical means including scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material using tipper and stacking the serviceable material with all lifts and lead upto 1000m.	Civil work	Dismantling	SS	2046.00	Hour	0.00
115		0.00						
	120.00	BOREWELL:Boring/drilling bore well of required dia for casing/ strainer pipe, bysuitable method prescribed in IS: 2800 (part I), including collectingsamples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools,plants & machineries required for the job, all complete as per directionof Engineer -in-charge, upto 60 metre depth below ground level. (As per SE-RWS approved rate)	Civil work	Drilling	SS	366.00	Rmt	43920.00
116		120.00						
	25.00	Supplying, assembling, lowering and fixing in vertical position inbore well, unplasticized PVC medium well casing (CM) pipe ofrequired dia, conforming to IS: 12818, including required hire andlabour charges, fittings & accessories etc. all complete, for all depths,as per direction of Engineer -in-charge. (As per SE-RWS approved rate)	Civil work	Casing	SS	758.50	Rmt	18962.50
		25.00						
	1.00	Providing and fixing suitable size threaded mild steel cap or spot welded plate to the top of bore well housing/ casing pipe, removableas per requirement, all complete for bore well of:	Civil work	MS cap	SS	100.00	Each	100.00
		1.00						
	1.00	Geologist charges for selection of source.	Civil work	Geologist charges	SS	1000.00	Job	1000.00
		1.00						
	1.00	Supplying, Testing and Commissioning of 3HP 20-23 stage three phase ISI Submersible pumpset including the following accessories. A) 40 mm Ø - 12.5 Kg/Cm2-HDPE Pipe-65 RMTs. B) 2 core 2.5 Sq,mm ISI Cable Wire - 75 Rmts. C)1 1/4" Ø SS Nipples - 2 Nos. D) Supply of 1 1/4" Ø Bend, Coupling , NRV, Bore Cover, Jointing Kitt & Errection Charges .	Civil work	Submersible pumpset	SS	38545.00	Each	38545.00
		1.00						
	1.00	Supply , Testing and Commissioning of 1.5 HP Single phase Openwell ISI submersible motor pumpset including the following accessories. a) HP Panel(CH Type)S/p - 1 No b)2.5 Sqmm Cable Wire - 15 Mtr.	Civil work	Pumpset	SS	18927.00	Each	18927.00
		1.00						
	500.00	Providing, laying and jointing of HDPE pipes 32mm dia of PE 100 grade, 16 Kg per sqcm pressure confirming to IS 4894-1995 as per BIS No: 7634 part II/75 including testing, filling ith water with water lead including cost of necessary accessories and fixing in position including cost and conveyance of all materials, conveyance to site, operational & incidental charges including all labour charges for fixing at site etc., and Overheads & Contractors profit complete for finished item of work.	Civil work	Pumpset	SS	103.00	Each	51500.00

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		A			B	C	D	E	F	G	H	I	J	K	L	M	N	O	P						
																		500.00							
	1.00	Providing Landscaping as per approved drawings by the Engineer-in-charge including cost and conveyance of all materials and labour charges etc including complete overheads and contractors profit for finished items of the work.																		Civil work	Land scaping	SS	20000.00	Job	20000.00
117																		1.00							
		WATER SUPPLY & SANITARY WORKS																							
1	7.00	Supplying and fixing European Water Closet of 1st quality conforming to IS:2556-Part-2-1973 of Hindustan / Neycer or Parryware make white glazed with 'S' trap,supplying and fixing best Indian make plastic seat and lid for European water closets with rubber or plastic Buffers as per IS 2548-1996 and PVC low level system parryware, slimline with internal components & short bend : 10 Ltrs. capacity single flush tank of Parryware or equivalent with internal components and fixed using required size of nails and screws, 15 mm brass angle stop valve of quarter turn spindle type of not less than 400 grams weight with internal threaded conforming to IS 8931 of first quality Indian make heavy duty Seiko/Senior/Nice or equivalent, 15mm PVC connections with brass union nuts CP coated including cost and conveyance of all materials to site, overheads & contractors profit etc., complete for finished item of work for all floors.																		Water supply & Sanitary work	EWC	SS	5071.00	Each	35497.00
		7.00																							
2	7.00	Supplying and fixing Indian make Flat Back Wash Hand Basin (HSW/Parryware/ Neycer) 1st quality conforming to IS:2556-Part-4:1972 of size 550mm x 400mm with 32 mm nominal size C.P. Fitting with parallel pipe thread conforming to IS:2963-1979 and fitted with 15 mm nominal bore Chromium Plated Pillar Tap of 1st quality Indian make 400 grams Seiko/Senior/Nice or equivalent complete with standard CI brackets including wooden blocks ,1 No.15.0mm PVC connection with brass union nuts CP coated , 15 mm brass angle stop valve of quarter turn spindle type of not less than 400 grams weight with internal threaded conforming to IS 8931 of first quality Indian make heavy duty Seiko/Senior/Nice or equivalent, 30.0mm dia. PVC flexible waste pipe 914.4mm length of 1st quality including cost and conveyance of all materials to site, labour charges , overheads & contractors profit for finished item of work.																		Water supply & Sanitary work	Wash basin	SS	2475.00	Each	17325.00
		7.00																							
3	2.00	Supply & fixing 15 mm nominal size Chromium plated finish brass over head shower arm of 450 mm long with 90 degree bend & wall flange suitable for rain shower and with 7 – 10 years warranty including cost and conveyance of all materials and labour charges , overheads & contractors profit complete for finished item of work for all floors.																		Water supply & Sanitary work	Shower	SS	1500.00	Each	3000.00
		2.00																							
4	7.00	Supplying and fixing TV shape mirror with plastic frame of size 609.6mm x 457.2mm , plywood back with NP screws 1st quality including cost and conveyance of all materials, labour charges , overheads & contractors profit for finished item of work in all floors.																		Water supply & Sanitary work	Mirror	SS	513.00	Each	3591.00
		7.00																							
5	9.00	Supplying and fixing of 25mm dia , 609.6mm long aluminium anodized towel rods with brackets and aluminium screws including cost and conveyance of all materials, labour charges , overheads & contractors profit for finished item of work.																		Water supply & Sanitary work	Towel rod	SS	164.00	Each	1476.00
		9.00																							
6	8.00	Supplying and fixing of SWG Gully traps 150mm x 100mm of ISI make confirming to IS 651 & 4127 with C.I grating & constructing cement brick masonry in CM (1:6) prop., intermediate chamber and fitted with 304.8 mm X 288.6 mm (12"x9") C.I Frame with hinged cover of standard make as approved including cost and conveyance of all materials to site, labour charges, overheads & contractors profit etc., complete for finished item of work.																		Water supply & Sanitary work	Gully trap	SS	568.00	Each	4544.00
		8.00																							
7	12.00	Supplying and fixing of 3" (76.2mm) multi floor trap with jali - UPVC/SWR pipe fittings (Prince/Sudhakar/Kisan/Supreme or any other ISI Brand) as per site requirements with standard practice for all floors including cost and conveyance of all materials to site, labour charges , overheads & contractors profit etc., complete for finished item of work.																		Water supply & Sanitary work	Nahany trap	SS	293.00	Each	3516.00
		12.00																							

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		A B C D E F G H I J K L M N O P						
8	21.00	Supplying and fixing of Double socket PVC/SWR pipes (Prince/Sudhakar/Kisan/Supreme or any ISI brand) 4 Kg/Sq.cm. and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges, overheads & contractors profit complete for finished item of work at all floor levels. (APSS No. 1302 1319 & 1326) 75mm dia for waste water	Water supply & Sanitary work	PVC/ SWR pipes	1302, 1319 &1326	174.00	Rmt	3654.00
		75mm dia for waste water						
		21.00						
	58.00	Supplying and fixing of Double socket PVC/SWR pipes (Prince/Sudhakar/Kisan/Supreme or any ISI brand) 4 Kg/Sq.cm. and fixing all special such as plain bends, off sets, door bends, single junctions, double junctions as per site requirement, fixing with PVC clamps if necessary with required number of Bombay nails including cost and conveyance of all materials to site, labour charges, overheads & contractors profit complete for finished item of work at all floor levels. (APSS No. 1302 1319 & 1326) 110mm dia for solid waste	Water supply & Sanitary work	PVC/ SWR pipes	1302, 1319 &1326	266.00	Rmt	15428.00
		110mm dia for solid waste						
		58.00						
9	19.00	Supplying and laying, filling, jointing and testing SWG SP-1 pipe conforming to ISI 651 & 4127 with air tight Cement joints in CM (1.5:1) prop. including excavation of trenches and socket pits in any soil (except rock requiring blasting) and refilling with watering and tamping to the required slope including cost and conveyance of all materials to site and all labour charges , overheads & contractor profit etc., complete for finished item of work (APSS NO 1301 & 1318) 152.40mm dia up to 3'-0" depth	Water supply & Sanitary work	SWG pipes	1301 & 1318	614.00	Rmt	11666.00
		152.40mm dia up to 3'-0" depth						
		19.00						
	28.00	Supplying and laying, filling, jointing and testing SWG SP-1 pipe conforming to ISI 651 & 4127 with air tight Cement joints in CM (1.5:1) prop. including excavation of trenches and socket pits in any soil (except rock requiring blasting) and refilling with watering and tamping to the required slope including cost and conveyance of all materials to site and all labour charges , overheads & contractor profit etc., complete for finished item of work (APSS NO 1301 & 1318) 203.20mm dia up to 3'-0" depth	Water supply & Sanitary work	SWG pipes	1301 & 1318	717.00	Rmt	20076.00
		203.20mm dia up to 3'-0" depth						
		28.00						
	15.00	Supplying and laying, filling, jointing and testing SWG SP-1 pipe conforming to ISI 651 & 4127 with air tight Cement joints in CM (1.5:1) prop. including excavation of trenches and socket pits in any soil (except rock requiring blasting) and refilling with watering and tamping to the required slope including cost and conveyance of all materials to site and all labour charges , overheads & contractor profit etc., complete for finished item of work (APSS NO 1301 & 1318) 203.20mm dia up to 5'-0" depth	Water supply & Sanitary work	SWG pipes	1301 & 1318	773.00	Rmt	11595.00
		203.20mm dia up to 5'-0" depth						
		15.00						
10	3.00	Constructing 904.0 mm (3'0") dia brick masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using 2nd Class Clay Bricks of 225 mm thick from approved source having a minimum crushing strength of 5 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including excavating pits up to a depth of 904 mm (3'-0") in all sorts of soils (exculding rock) and laying cement conrete (1:4:8) 150 mm thick using 40 mm HBG Metal and P.C.C. 1:2:4 benching and channel 100 mm thick as per Standard specification and including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing , overheads & contractors profit etc., complete for finished item of work as per Standard specification.	Water supply & Sanitary work	Masonry chamber	SS	6518.00	Each	19554.00
		3.00						

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		A B C D E F G H I J K L M N O P						
10	2.00	Constructing 904.0 mm (3'0") dia brick masonry inspection chamber as per IS - 4111: Part-1:1986 with cement mortar (1:6) prop using 2nd Class Clay Bricks of 225 mm thick from approved source having a minimum crushing strength of 5 N/sq.mm including plastering with cement mortar 1:3 prop; ½" thick both inside and outside fitted with 20" dia RCC manhole covers and frames including excavating pits up to a depth of 1524 mm (5'-0") in all sorts of soils (exculding rock) and laying cement conrete (1:4:8) 150 mm thick using 40 mm HBG Metal and P.C.C. 1:2:4 benching and channel 100 mm thick as per Standard specification and including cost and conveyance of all materials like cement, sand, bricks, water etc., to site, cost of seigniorage charges on all materials and all incidental and operational, labour charges like mixing cement mortar, constructing masonry, lift charges, curing , overheads & contractors profit etc., complete for finished item of work as per Standard specification.	Water supply & Sanitary work	Masonry chamber	SS	10181.00	Each	20362.00
		2.00						
11	2000.00	Providing and placing on terrace (at all floor levels) polyetheylene water storage tank with double layer approved brand and manufacture with cover and suitable locking arrangement and making necessary holes for inlet and outlets and over flow pipes but without fittings and base support for tanks including cost and conveyance of all materials and labour charges , overheads & contractors profit complete for finished item of work.	Water supply & Sanitary work	Water tank	SS	6.00	Lt	12000.00
		2000.00						
12	11.00	Supplying & fixing GI pipe Medium Grade properties & weight as per IS 1239 ISI mark in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils (except rock requiring blasting), refilling, chiseling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on Teak Wood blocks on walls including cost and conveyance of all materials and labour charges , overheads & contractors profit complete for finished item of work.15.0mm Pipe	Water supply & Sanitary work	GI pipes	SS	204.00	Rmt	2244.00
		15.0mm Pipe						
		11.00						
	20.00	Supplying & fixing GI pipe Medium Grade properties & weight as per IS 1239 ISI mark in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils (except rock requiring blasting), refilling, chiseling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on Teak Wood blocks on walls including cost and conveyance of all materials and labour charges , overheads & contractors profit complete for finished item of work.20.0mm Pipe	Water supply & Sanitary work	GI pipes	SS	227.00	Rmt	4540.00
		20.0mm Pipe						
		20.00						
	27.00	Supplying & fixing GI pipe Medium Grade properties & weight as per IS 1239 ISI mark in ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils (except rock requiring blasting), refilling, chiseling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on Teak Wood blocks on walls including cost and conveyance of all materials and labour charges , overheads & contractors profit complete for finished item of work.25.0mm Pipe	Water supply & Sanitary work	GI pipes	SS	297.00	Rmt	8019.00
		25.0mm Pipe						
		27.00						
13	9.00	Supplying & fixing CPVC pipes of SDR 13.5 of standard make and ISI mark on ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils (except rock requiring blasting), refilling, chiseling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on Teak Wood blocks on walls including cost and conveyance of all materials and labour charges , overheads & contractors profit complete for finished item of work.15.90mm OD pipe	Water supply & Sanitary work	CPVC pipe	SS	141.00	Rmt	1269.00
		15.90mm OD pipe						
		9.00						
	33.00	Supplying & fixing CPVC pipes of SDR 13.5 of standard make and ISI mark on ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils (except rock requiring blasting), refilling, chiseling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on Teak Wood blocks on walls including cost and conveyance of all materials and labour charges , overheads & contractors profit complete for finished item of work.22.20mm OD pipe	Water supply & Sanitary work	CPVC pipe	SS	160.00	Rmt	5280.00
		22.20mm OD pipe						
		33.00						
	35.00	Supplying & fixing CPVC pipes of SDR 13.5 of standard make and ISI mark on ground or on wall including cost of tees, elbows, bends, reducers, couplings, running joints, union flanges, unions etc. with necessary excavation in all types of soils (except rock requiring blasting), refilling, chiseling masonry walls and making good the walls & floors to the original surface and fixing MS clamps on Teak Wood blocks on walls including cost and conveyance of all materials and labour charges , overheads & contractors profit complete for finished item of work.28.60mm OD pipe	Water supply & Sanitary work	CPVC pipe	SS	212.00	Rmt	7420.00

Sl.No.	Estimate quantity (Only figures)	Description of work	Work Type	Item Short Description	APSS / Morth Cl. Number	Rate (INR)	Unit	Amount (INR)
		A B C D E F G H I J K L M N O P						
		28.60mm OD pipe						
		35.00						
14	2.00	Supplying and fixing Gunmetal Gate (GM peet) valve as per IS-778 Class - I , Indian make heavy type including cost and conveyance of all materials , labour charges , overheads & contractors profit complete for finished item of work.20mm Nominal bore	Water supply & Sanitary	Gate valve	SS	858.00	Each	1716.00
		20mm Nominal bore						
		2.00						
	2.00	Supplying and fixing Gunmetal Gate (GM peet) valve as per IS-778 Class - I , Indian make heavy type including cost and conveyance of all materials , labour charges , overheads & contractors profit complete for finished item of work.25mm Nominal bore	Water supply & Sanitary work	Gate valve	SS	1233.00	Each	2466.00
		25mm Nominal bore						
		2.00						
15	16.00	Supplying and fixing of 15 mm brass body CP finish bib tap of not less than 300 grams weight screw type (full turn) with internal / external threaded connection conforming to IS 8931 as approved by the Engineer-In-Charge including cost and conveyance of all materials, labour charges , overheads & contractors profit complete for finished item of work in all floors.	Water supply & Sanitary work	Bib tap	SS	245.00	Each	3920.00
		16.00						
16	3.00	Supplying and fixing of 16mm to 20 mm thick polished marble slab partitioins of size 1.20 x 0.6m for urinals partitions including full rounding the edges , fixing in position, polishing, including cost and conveyance of all materials and labour charges , overheads & contractors profit complete for finished item of work for all floors.	Water supply & Sanitary work	urinal partition	SS	1694.00	Each	5082.00
		3.00						
17	3.00	Supplying and fixing white glazed flat back Bowl urinals of size 440 mm x 265 mm x 315 mm with integral flushing rim fixed with screws complete Indian make (HSW/Parry/Neycer) conforming to IS:2556-1995 as approved by Engineer-in-charge, including supply and fixing 15mm PVC connection with brass plumber union nuts CP coated, 15 mm brass body CP finish self closing tap push type conforming to IS 1711, 30 mm nominal size dia PVC flexible waste pipe of 914.4 mm length of Ist quality including cost and conveyance of all materials to site, labour charges , overheads & contractors profit complete for finished item of work for all floors.	Water supply & Sanitary work	Urinal	SS	1329.00	Each	3987.00
		3.00						
18	12.00	Construction of brick masonry support for GI pipe of size 304.80mm x 228.60mm x 228.60 mm in CM (1:8) prop including plastering and finishing with 12mm thick in CM (1:5) including cost and conveyance of all materials and all labour charges, overheads & contractors profit complete for finished item of work for all floors.	Water supply & Sanitary work	brick support	SS	76.00	Each	912.00
		12.00						
19	60.00	Providing, laying and jointing of HDPE pipes of 25mm dia of PE 100 grade, 16 Kg per sqcm pressure confirming to IS 4894-1995 as per BIS No: 7634 part II/75 including testing, filling ith water with water lead including cost of necessary accessories and fixing in position including cost and conveyance of all materials, conveyance to site, operational & incidental charges including all labour charges for fixing at site etc., and Overheads & Contractors profit complete for finished item of work.	Water supply & Sanitary work	HDPE pipe	SS	72.00	Rmt	4320.00
		60.00						
20	12.00	Providing 110 mm Dia ISI marked PVC (Sudhakar / Nandhini) down water take pipes with socket , 4.0kg/sq.cm pressure of ISI marked including cost of necessary PVC clamps and all other accessories and fixing in position including cost and conveyance of all materials, sales & other taxes on materials to site, operational & incidental charges including all labour charges for fixing at site etc., and Overheads & Contractors profit complete for finished item of work. (APSS No. 1328)	Water supply & Sanitary work	RWDP	SS	251.00	Rmt	3012.00
		12.00						
						Total Amount	=	**17245924.00**
			Provision for Intenral Electrification of Indoor hall					500000.00
				Provision for External Lighting				89023.00

Sl.No.	Estimate quantity (Only figures)	Description of work																		Work Type	Item Short Description	APSS / Morth Cl. Number	Rate (INR)	Unit	Amount (INR)
		A			B	C	D	E	F	G	H	I	J	K	L	M	N	O	P						
																					Provision for gournd levelling				250000.00
																							Total =		**18084947.00**
																					Consultancy charges @ 2.46%			=	444890.00
																					Provision towards VAT @ 5%			=	904248.00
																					Variation in foundations @ 1.0%			=	180850.00
																					Provision towards quality control charges @ 0.5%			=	90425.00
																					Provision for Labour cess @ 1%			=	180850.00
																					Administrative charges for TSHCL @ 4%			=	723398.00
																					Provision for price variation			=	500000.00
																					Unforeseen items			=	90386.00
																							Total =	=	**21199994.00**
																					Grand Total			=	**21199994.00**
																							say	=	**212.00**